

Tzhone, Stephen

From: Mescher, Jean A [Jean.Mescher@McKesson.com]
Sent: Tuesday, July 09, 2013 12:13 PM
To: Tzhone, Stephen; Moix, Mark
Cc: Berg, Marlene; Brent Kerger
Subject: RE: EPA attendees present on 7/9 CSM call, please reply all for McKesson and ADEQ, thanks.

Thank you! Jean

From: Tzhone, Stephen [<mailto:tzhone.stephen@epa.gov>]
Sent: Tuesday, July 09, 2013 11:42 AM
To: Mescher, Jean A; Moix, Mark
Cc: Berg, Marlene; Brent Kerger
Subject: RE: EPA attendees present on 7/9 CSM call, please reply all for McKesson and ADEQ, thanks.

From: Crumbling, Deana
Sent: Tuesday, July 09, 2013 11:38 AM
To: Tzhone, Stephen
Cc: Berg, Marlene
Subject: RE: Deana/Marlene: any info on this question?

R7's contractor gets full dioxin/furan analysis from Cape Fear Analytical for \$495 each, last I heard about a year ago.



This lab does excellent analytical work, HOWEVER, they are not willing to process samples and subsample properly to avoid sampling error. Their preferred subsampling method is to open the jar and scoop off the top. Even when the sample was processed properly in the field, we got too much sampling error coming from their scooping off the top when the soil stratified in the jar during transport to the lab. We got around that problem by processing the sample in the field as before, but instead of sending them 100 gram or so in a jar, we sent only the 15 grams for a single analysis. The lab was told to extract all 15 grams (everything in the jar) as their analytical sample. When we did that, we had subsampling RSDs consistently less than 10% (average of 6 %RSD), which was only ~2 times their analytical RSD of 2.5 to 2.7% (as measured by the LCSs). This was MUCH, much better than the average subsampling RSD of 25% we got from them when sending the normal amount (~100 g) of processed soil.

This strategy greatly improved the precision of our soil dioxin data.
I'd be happy to discuss the details with McKesson.

--Deana

From: Mescher, Jean A [<mailto:Jean.Mescher@McKesson.com>]
Sent: Tuesday, July 09, 2013 11:11 AM
To: Tzhone, Stephen; Moix, Mark
Cc: Berg, Marlene; Brent Kerger
Subject: RE: EPA attendees present on 7/9 CSM call, please reply all for McKesson and ADEQ, thanks.

Steve,

Attendees for McKesson on today's call:

Jean Mescher/McKesson: jean.mescher@mckesson.com

Brent Kerger/Cardno ChemRisk: brent.kerger@cardno.com

During the call it was mentioned that there is a lab that conducts dioxin analysis for about \$500/sample. Would you please send me the information for this laboratory?

Thank you for organizing the call.

Jean

From: Tzhone, Stephen [<mailto:tzhone.stephen@epa.gov>]

Sent: Tuesday, July 09, 2013 10:23 AM

To: Mescher, Jean A; Moix, Mark

Cc: Berg, Marlene

Subject: EPA attendees present on 7/9 CSM call, please reply all for McKesson and ADEQ, thanks.

Stephen Tzhone/EPA R6: tzhone.stephen@epa.gov

Ghassan Khoury/EPA R6: khoury.ghassan@epa.gov

Marlene Berg/EPA HQ: berg.marlene@epa.gov

Deana Crumbling/EPA HQ: crumbling.deana@epa.gov

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